

0590  
0607

#6



OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/053,645A

DATE: 06/06/2002  
 TIME: 14:46:29

Input Set : A:\10412022999.TXT  
 Output Set: N:\CRF3\06062002\J053645A.raw

**ENTERED**

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4 <110> APPLICANT: Robert E. Klem
6 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING A
7   CELL-PROLIFERATIVE DISORDER USING CRE DECOY OLIGOMERS, BCL-2
8   ANTISENSE OLIGOMERS, AND HYBRID OLIGOMERS THEREOF
11 <130> FILE REFERENCE: 10412-022-999
13 <140> CURRENT APPLICATION NUMBER: 10/053,645A
14 <141> CURRENT FILING DATE: 2002-01-22
16 <150> PRIOR APPLICATION NUMBER: 60/263,244
17 <151> PRIOR FILING DATE: 2001-01-22
19 <160> NUMBER OF SEQ ID NOS: 43
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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24 <211> LENGTH: 20
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
30   Oligionucleotide
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33 cagcgtgcgc catccttccc                                20
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36 <211> LENGTH: 35
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
42   Oligionucleotide
44 <400> SEQUENCE: 2
45 cttttcctct gggaaggatg ggcacgcgtg ggaga                35
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 20
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
54   Oligionucleotide
56 <400> SEQUENCE: 3
57 gatgcaccta cccagcctcc                                20
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 33
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial sequence
64 <220> FEATURE:

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65 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
66     Oligionucleotide
68 <400> SEQUENCE: 4
69 acggggtacg gaggtgggt aggtgcatct ggt                                33
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73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
78     Oligionucleotide
80 <400> SEQUENCE: 5
81 acaaaggcat cctgcagttg                                              20
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 36
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
90     Oligionucleotide
92 <400> SEQUENCE: 6
93 cccccaactg caggatgcct ttgtggaact gtacgg                            36
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 20
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
102     Oligionucleotide
104 <400> SEQUENCE: 7
105 gggaaggatg gcgcacgctg                                              20
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 17
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
114     Oligionucleotide
116 <400> SEQUENCE: 8
117 cgcgtagcgc cctcttg                                              17
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 17
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
126     Oligionucleotide
128 <400> SEQUENCE: 9
129 taccgcgtgc gaccctc                                              17

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131 <210> SEQ ID NO: 10
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133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
138     Oligionucleotide
140 <400> SEQUENCE: 10
141 tcctaccgcg tgcgacc                                17
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 17
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
150     Oligionucleotide
152 <400> SEQUENCE: 11
153 ccttcctacc gcgtgcg                                17
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 17
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
162     Oligionucleotide
164 <400> SEQUENCE: 12
165 gacccttcct accgcgt                                17
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 17
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
174     Oligionucleotide
176 <400> SEQUENCE: 13
177 ggagaccctt cctaccg                                17
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 15
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
186     Oligionucleotide
188 <400> SEQUENCE: 14
189 gcggcggcag cgcgg                                15
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 15
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial sequence

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196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
198     Oligionucleotide
200 <400> SEQUENCE: 15
201 cggcggggcg acgga                                     15
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 16
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
210     Oligionucleotide
212 <400> SEQUENCE: 16
213 cgggagcgcg gcgggc                                     16
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 18
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial sequence
220 <220> FEATURE:
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222     Oligionucleotide
224 <400> SEQUENCE: 17
225 tctcccagcg tgcgcat                                     18
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 18
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
234     Oligionucleotide
236 <400> SEQUENCE: 18
237 tgcactcacg ctcgcct                                     18
239 <210> SEQ ID NO: 19
240 <211> LENGTH: 106
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
246     Oligionucleotide
248 <400> SEQUENCE: 19
249 ggcggcgccc ctccgcgcg cctgccgccc cgcccgccgc gctcccgccc gccgtctccc 60
250 ccttattgtt aaaaacatgt tagaagcaat gaatgtatat aaaagc          106
252 <210> SEQ ID NO: 20
253 <211> LENGTH: 717
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo Sapiens
257 <220> FEATURE:
258 <221> NAME/KEY: CDS
259 <222> LOCATION: (1)...(717)

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261 <400> SEQUENCE: 20
262 atg gcg cac gct ggg aga acg ggg tac gac aac cgg gag ata gtg atg 48
263 Met Ala His Ala Gly Arg Thr Gly Tyr Asp Asn Arg Glu Ile Val Met
264 1 5 10 15
266 aag tac atc cat tat aag ctg tcg cag agg ggc tac gag tgg gat gcg 96
267 Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
268 20 25 30
270 gga gat gtg ggc gcc gcg ccc ccg ggg gcc gcc ccc gca ccg ggc atc 144
271 Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
272 35 40 45
274 ttc tcc tcc cag ccc ggg cac acg ccc cat cca gcc gca tcc cgc gac 192
275 Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
276 50 55 60
278 ccg gtc gcc agg acc tcg ccg ctg cag acc ccg gct gcc ccc ggc gcc 240
279 Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
280 65 70 75 80
282 gcc gcg ggg cct gcg ctc agc ccg gtg cca cct gtg gtc cac ctg gcc 288
283 Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Ala
284 85 90 95
286 ctc cgc caa gcc ggc gac gac ttc tcc cgc cgc tac cgc ggc gac ttc 336
287 Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Gly Asp Phe
288 100 105 110
290 gcc gag atg tcc agc cag ctg cac ctg acg ccc ttc acc gcg ccg gga 384
291 Ala Glu Met Ser Ser Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
292 115 120 125
294 cgc ttt gcc acg gtg gtg gag gag ctc ttc agg gac ggg gtg aac tgg 432
295 Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
296 130 135 140
298 ggg agg att gtg gcc ttc ttt gag ttc ggt ggg gtc atg tgt gtg gag 480
299 Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
300 145 150 155 160
302 agc gtc aac cgg gag atg tcg ccc ctg gtg gac aac atc gcc ctg tgg 528
303 Ser Val Asn Arg Glu Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
304 165 170 175
306 atg act gag tac ctg aac cgg cac ctg cac acc tgg atc cag gat aac 576
307 Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
308 180 185 190
310 gga ggc tgg gat gcc ttt gtg gaa ctg tac ggc ccc agc atg ccg cct 624
311 Gly Gly Trp Asp Ala Phe Val Glu Leu Tyr Gly Pro Ser Met Arg Pro
312 195 200 205
314 ctg ttt gat ttc tcc tgg ctg tct ctg aag act ctg ctc agt ttg gcc 672
315 Leu Phe Asp Phe Ser Trp Leu Ser Leu Lys Thr Leu Leu Ser Leu Ala
316 210 215 220
318 ctg gtg gga gct tgc atc acc ctg ggt gcc tat ctg agc cac aag 717
319 Leu Val Gly Ala Cys Ile Thr Leu Gly Ala Tyr Leu Ser His Lys
320 225 230 235
324 <210> SEQ ID NO: 21
325 <211> LENGTH: 239
326 <212> TYPE: PRT

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VERIFICATION SUMMARY

DATE: 06/06/2002

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TIME: 14:46:30

Input Set : A:\10412022999.TXT

Output Set: N:\CRF3\06062002\J053645A.raw